

FIG. 1

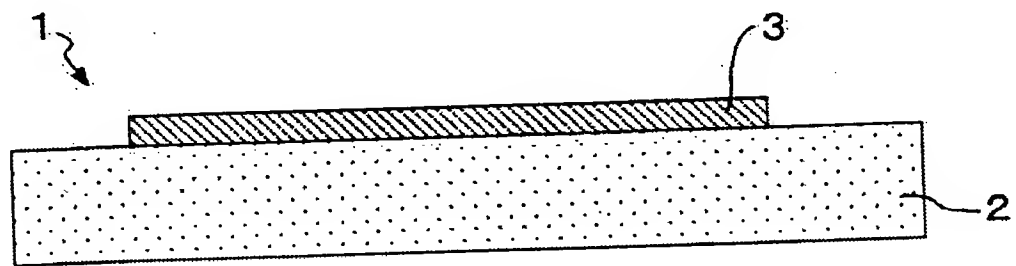


FIG. 2

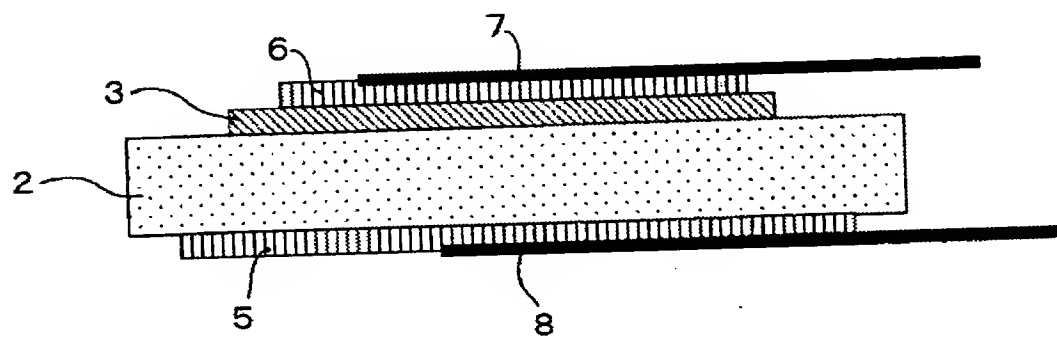
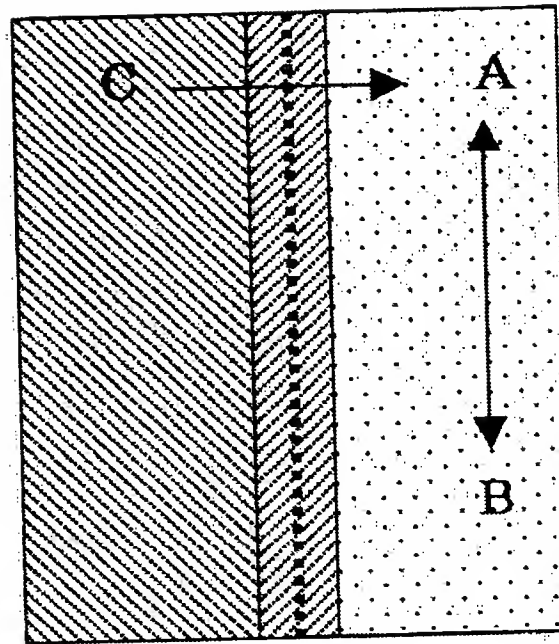


FIG. 3



Potential Barrier  
0.5~2eV

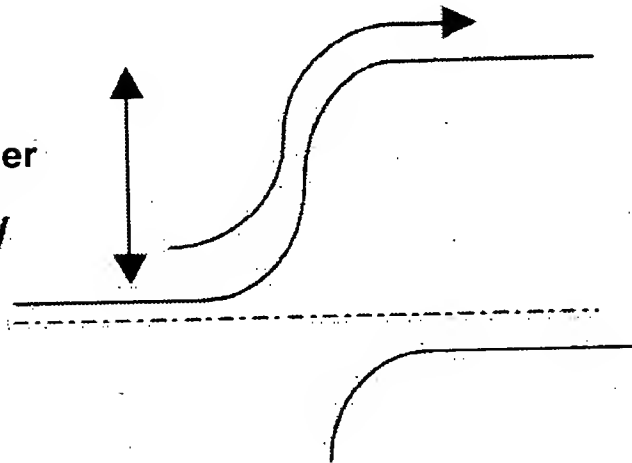


FIG. 4

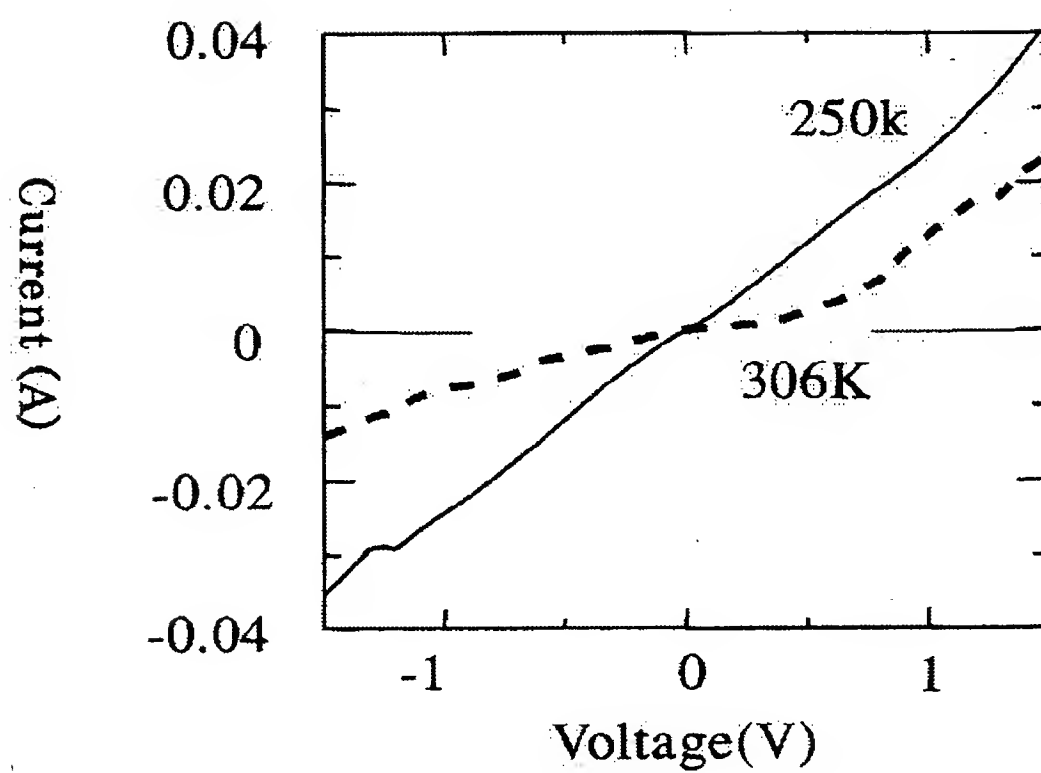


FIG. 5

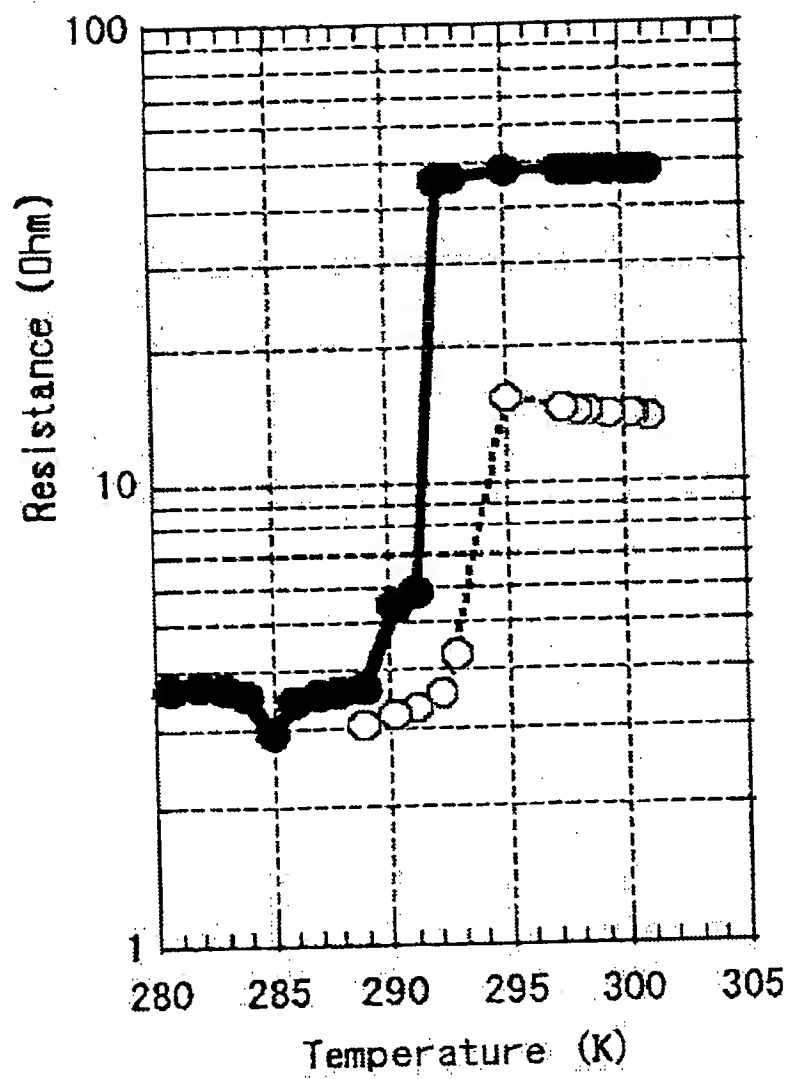
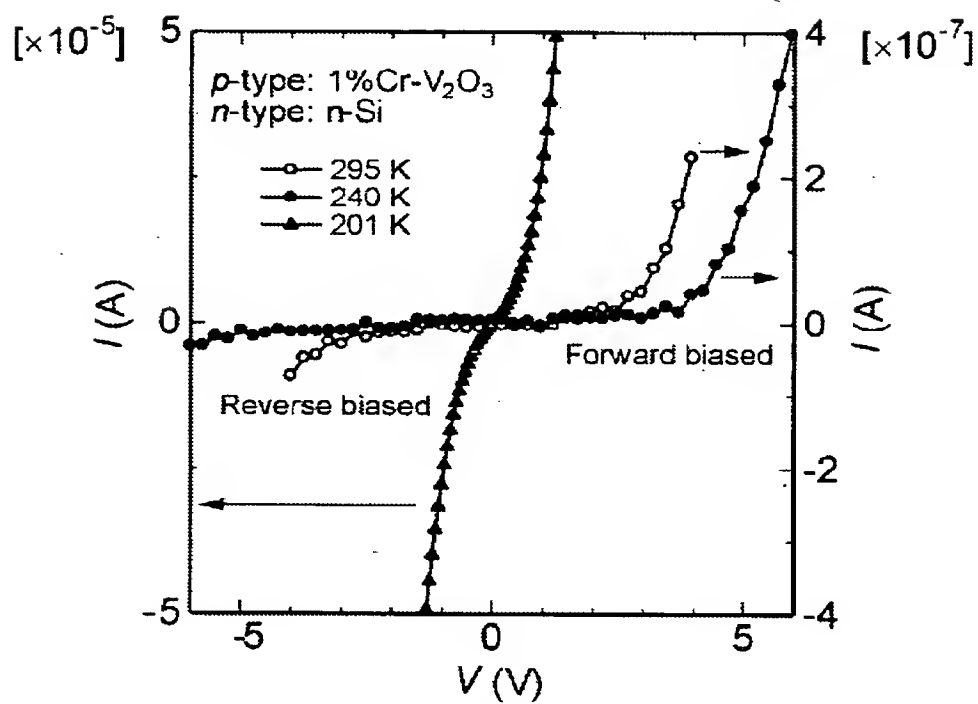
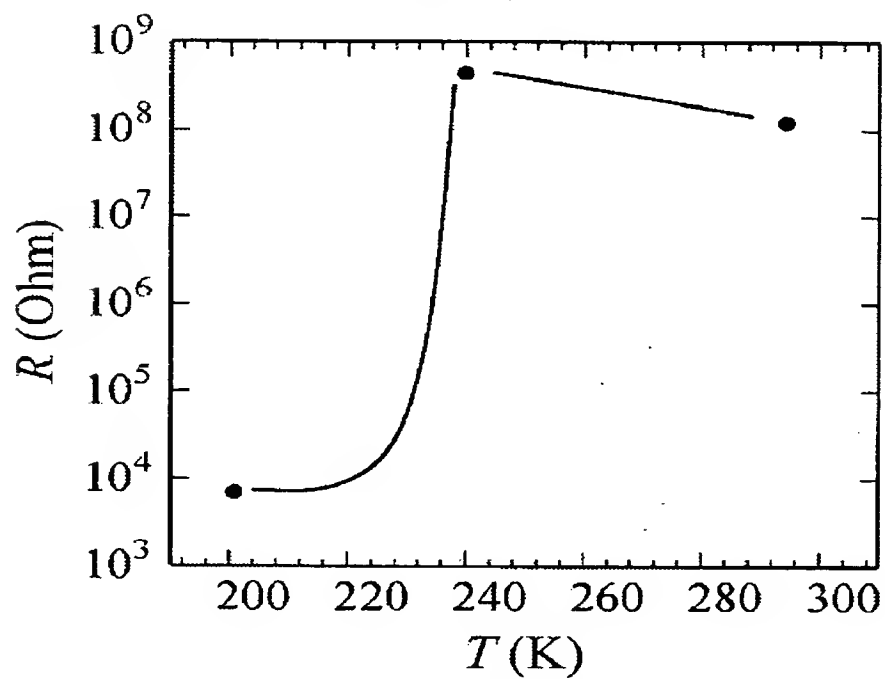


FIG. 6



I-V characteristics of the hetero junction

FIG. 7



Resistance-Temperature Curve of Hetero Junction ( $V=-3V$ )